

# Ashutosh Apurva

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📄 github.com/Apurva14A

## Summary

DevOps Engineer | 3+ years | Expert in Terraform, Ansible, Kubernetes orchestration, CI/CD pipelines (GitHub Actions, Jenkins), cloud infrastructure (AWS, EC2), and monitoring (Prometheus, Grafana), Strong in Linux, Bash, Git, and code quality tools (SonarQube, Jfrog).

## Education

**Bachelor of Science in Computer Science** | **Markhand Raksha Shakti University**, Computer Science | July 2017 – Aug 2020  
• CGPA: 8.2/10.0

## Experience

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| <b>Tata Consultancy Services</b> , DevOps Engineer  | Kolkata metropolitan area,<br>West Bengal, India<br>Aug 2022 – present<br>2 years 1 month   |
| <ul style="list-style-type: none"><li>• Supercharged software delivery by 35% through robust and secure CI/CD pipelines built with GitHub Actions, ensuring seamless deployments to Kubernetes environments.</li><li>• Accelerate delivery of secure, high-quality software by 25% through rigorous code analysis and vulnerability detection with SonarQube.</li><li>• Accelerated microservice deployment velocity by 40% through optimized Helm chart-based releases, driving enhanced operational efficiency and faster time-to-market on Kubernetes.</li><li>• Boosted time-to-insights by 30% through automated deployments of Prometheus, Grafana, and Datadog using Helm, enabling comprehensive monitoring and proactive decision-making.</li><li>• Revolutionized log analysis and visualization with LogQL in Grafana, unlocking deeper insights and accelerating troubleshooting.</li><li>• Optimized traffic management and routing efficiency by 25% through implementation of Ingress with path-based routing, enabling dynamic service exposure and improved user experience.</li></ul> |   |
| <b>Tata Consultancy Services</b> , Site Reliability Engineer  | Kolkata metropolitan area,<br>West Bengal, India<br>Mar 2021 – June 2022<br>1 year 3 months |
| <ul style="list-style-type: none"><li>• Led the migration of legacy applications to AWS, leveraging EC2, S3, RDS, CloudWatch, Route 53, and AWS ACM, resulting in a 30% reduction in operational costs and improved scalability.</li><li>• Successfully migrated millions of customer records from a legacy database to Amazon RDS with PostgreSQL, boosting query performance by 50% and reducing database management costs by 30%.</li><li>• Optimized CI/CD during application migration with Jenkins, cutting deployment times by 40% through enhanced automation of build, test, and release processes.</li><li>• Enhanced application reliability and availability with AWS Auto Scaling, achieving 99.9% uptime and reducing operational costs by 25% through dynamic resource scaling.</li><li>• Implemented New Relic for application monitoring and log shipping, reducing maintenance costs by 20% and boosting performance insights, which led to a 30% improvement in application response times.</li></ul>  |   |

## Projects

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### Personal Portfolio

- Developed a portfolio website to store and record my resume, projects and blogs to showcase it to employers.
- Tools Used: Python, Django, HTML,CSS,Docker,GitHub Pages,GitHub Actions

[github.com/Apurva14A/myPortfolio](https://github.com/Apurva14A/myPortfolio)  


### Password Generator app

- Developed a python web application for generating random password to be used for authentication process.
- Tools Used: Python, Django, HTML, CSS, GitHub Action

[github.com/Apurva14A/password\\_generator\\_app](https://github.com/Apurva14A/password_generator_app)  


## Technologies

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**Languages:** Python, Java

**Technologies:** Terraform, Ansible, Docker, Kubernetes, Helm, GitHub Actions, Jenkins, Prometheus, Grafana, Loki, AWS,EC2,S3,RDS, Linux, Bash, Git,SonarQube, Jfrog Artifactory